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## Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

- 1. (original) A metal vapor discharge lamp comprising:
- a refractory and light-transmitting hermetic vessel;
- a pair of electrode fixed to said hermetic vessel;
- a discharge medium sealed in the hermetic vessel, the discharge medium containing a halide, a rare gas and substantially disusing mercury; and

most of light irradiated from the metal vapor discharge lamp having near-infrared wavelengths (750 - 1100 nm).

- 2. (original) The metal vapor discharge lamp according to claim 1, wherein the halide contains a halide of at least one of potassium (K), cesium (Cs) and rubidium (Rb) which radiate light of near-infrared wavelengths (750 1100 nm).
- 3. (original) The metal vapor discharge lamp according to claim 1, further comprising a visible-light blocking filter.
- 4. (original) The metal vapor discharge lamp according to claim 1, wherein a wattage rating of the metal vapor discharge lamp is  $100~\mathrm{W}$  or less.
- 5. (original) The metal vapor discharge lamp according to claim 1, wherein a distance between the pair of electrodes falls within a range of 1 mm to 6 mm.
- 6. (currently amended) A metal vapor discharge lamp comprising:
  - a refractory and light-transmitting hermetic vessel;
  - a pair of electrode fixed to said hermetic vessel;
- a discharge medium sealed in the hermetic vessel, the discharge medium containing a first halide and a rare gas, the

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first halide containing a halide of at least one of sodium (Na), scandium (Sc) and a rare earth metal which radiate visible light (380 - 780 nm); and

a ratio of visible-radiation power (380 - 780 nm) to nearinfrared radiation power (750 - 1100nm) falling within a range of 0.5:1 to 4.0:1, the visible-radiation power and the nearinfrared radiation power being output when the metal vapor discharge lamp is in an ON state; and

## a visible-light blocking filter.

- 7. (original) The metal vapor discharge lamp according to claim 6, wherein the discharge medium includes:
- a second halide which generates a relatively high vapor pressure and being a halide of at least one metal which emits a visible light less than that emitted by the metal of the first halide;
- a third halide containing a halide of at least one metal which radiates near-infrared light; and

the discharge medium substantially disusing mercury.

(original) The metal vapor discharge lamp according to 8. claim 6, wherein the discharge medium contains a halide of at least one of potassium (K), cesium (Cs) and rubidium (Rb) which radiate light of near-infrared wavelengths (750 -1100 nm).

## Claim 9 (canceled).

- (original) The metal vapor discharge lamp according to claim 6, wherein a wattage rating of the metal vapor discharge lamp is 100 W or less.
- (original) The metal vapor discharge lamp according to claim 6, wherein a distance between the pair of electrodes falls within a range of 1 mm to 6 mm.

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- 12. (original) The metal vapor discharge lamp according to claim 6, wherein the rare gas is Xe, Xe of five atoms or more being sealed in the hermetic vessel.
  - 13. (original) A projector comprising:
  - a reflector;
- a metal vapor discharge lamp as specified in any one of claim 1 to 12, the metal vapor discharge lamp being provided on the reflector; and
- a light control member covering a front surface of the reflector.
- 14. (original) The projector according to claim 13, wherein the projector is installed in a vehicle and used as a headlamp.
- 15. (original) The projector according to claim 14, further comprising visible-light blocking means for blocking visible light and passing near-infrared light therethrough in a high beam mode, and means for removing the visible-light blocking means from a radiation direction of the metal vapor discharge lamp in a low beam mode.
- 16. (original) The projector according to claim 13, further comprising a visible-light blocking filter provided on at least one of front and rear surfaces of the light control member.
- 17. (original) The projector according to claim 16, wherein the projector is installed in a vehicle and used as a headlamp.
- 18. (original) The projector according to claim 17, wherein the visible-light blocking filter blocks visible light and passes near-infrared light therethrough in a high beam mode, and further comprising means for removing the visible-light

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blocking filter from a radiation direction of the metal vapor discharge lamp in a low beam mode.

- 19. (original) A metal vapor discharge lamp lighting device comprising:
- a metal vapor discharge lamp as specified in any one of claims 1 to 12; and
- a lighting circuit which supplies a current three times or more a rated lamp current after the metal vapor discharge lamp is lit, and reduces the current with a lapse of time.